

REMARKS/ARGUMENTS

A. GENERALLY

Applicant thanks the examiner for the courtesy of an in-person interview conducted on September 11, 2007. Applicant's summary of the interview is filed herewith.

Claims 45, 46, 48-52, 55-59, 61-65, 68-69 and 81-102 are pending the application.

Claims 45, 46, 48-52, 55-58, 61 and 64 have been amended. Claims 47, 53, 54, 60, 66, 67 and 70-80 have been canceled. Claims 81-102 have been added. No new matter has been added.

A request for continued examination is filed herewith.

B. CLAIM REJECTIONS

Rejections Under 35 U.S.C. §112

Claims 45-56 have been rejected under 35 U.S.C. §112 second paragraph. The rejection stems from the recitation of "a remote proxy agent" multiple times in the claims 45, 50 and 52. Applicant has amended the claims to properly refer to the recited remote proxy agent. Based on the foregoing, Applicant requests that the rejection under 35 U.S.C. §112, second paragraph be withdrawn.

Claims 45-46, 48-52, and 55-57 have been rejected under 35 U.S.C. §112, first paragraph. According to the Office Action, the references to a "wired data network" or "wired network" are not found in the original specification or claim language and bring new subject matter to the application. Applicant believes that the distinction drawn in Figure 1 to a "wireless network" discloses by implication that the other network components illustrated in the figure may be characterized as wired. Applicant further submits that the claimed wired network is supported by paragraph 0021 of the Specification:

FIG. 1 is an overview of a communications network practicing a remote proxy service capability according to an embodiment of the present invention. Communications network 100 comprises sub-networks 110, which is, in this example the Internet network, and 103, which is described and labeled in this example as a wireless network. Internet network 110 may instead be any wide-area-network (WAN) that is public or private or a corporate Intranet, and does not depend on a particular technology. The inventor chooses the Internet in this example as a preferred embodiment. Likewise, wireless network 103 may be any typical wireless access network having access capability to network 110. Additional examples of network types may also include terrestrial and satellite based wireless, laser based, cable, telephony, or dedicated wiring, or any combinations of those. (Specification, Para. 21, emphasis added by underlining; see also, Specification, Paragraph 53).

Based on the foregoing, Applicant requests that the rejection under 35 U.S.C. §112, first paragraph be withdrawn.

Claim Rejections Under 35 U.S.C. §103(a)

Claims 45, 50-52, 56-58, 64, 67-70 and 79-80 have been rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent 6324648 issued to Grantges (hereinafter, "Grantges") in view of U.S. Patent 6711611 issued to Hanhan (hereinafter, "Hanhan").

Claim 45 (as amended) recites the following limitations:

45. (Currently Amended) A system for enabling remote access to an application residing on a processing system comprising:

a gateway comprising an instance of a remote gateway agent, wherein the gateway is accessible to a wireless network-capable user device via a wireless data network and accessible to an instance of a remote proxy agent operating on the processing system via the wired data network, and wherein the remote gateway agent is configured for:

receiving a request from the wireless network-capable user device for a task to be performed by the processing system; and

forwarding the task request to the remote proxy agent residing on the processing system,

wherein the remote proxy agent comprises an interface to the application and instructions for:

receiving and analyzing the task request from the remote gateway agent;

executing the selected application via the interface to process the request; and

sending a result from the processing system to the remote gateway agent; and

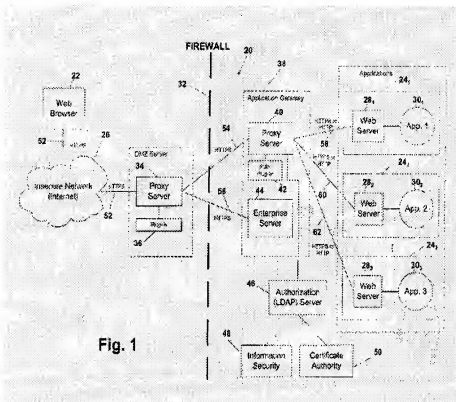
wherein the remote gateway agent is further configured for:

receiving the result;

transcoding the result for viewing by the wireless network-capable user device; and

sending the result to the wireless network-capable user device via the wireless data network.

Grantges describes a proxy server that is configured to pass a message from a client computer to a destination server via a gateway. Figure 1 from Grantges illustrates a proxy server 34 residing on a non-secure side of a firewall 32, and a proxy server 40 residing on a secure side of a firewall 32. Proxy server 40 residing on application gateway 38 communicates with web servers 28₁, 28₂ and 28₃ on which applications 30₁, 30₂ and 30₃ are installed. A user of web browser 22 thus accesses an application (30₁, 30₂ or 30₃) by issuing instructions to application gateway 38 through proxy server 34.



Claim 45 (as amended) recites a software instance of a remote proxy agent residing on a processing system and a software instance of a remote gateway agent residing on a gateway. The remote proxy agent comprises an interface to an application. A request from a user device is passed from the remote gateway agent to the remote proxy agent. The remote proxy agent executes the application through the interface in accordance with the request.

Grantges does not teach or describe an instance of a software system running on a data processing computer and does not teach or describe an instance of software on a data processing computer that executes an application in response to a request and provides responses to requests. As taught by the present application, placing this instance of the software system on the data processing computer obviates the need for application gateway 38 of Grantges.

In the context of Figure 1 of Grantges, the remote gateway agent would reside on the DMZ server and the proxy server agent would reside on server 28₁. The proxy server agent would execute application 30₁ in response to a request sent by the remote gateway agent residing on the DMZ server and would send any response to the request directly to the remote gateway agent. That is, communication between the remote agents would not pass through application gateway 38.

In contrast to the embodiment of claim 45 (as amended), the DMZ server of Grantges does not redirect requests to the data processing system (or destination computers) because it cannot. According to the description of this server, DMZ proxy server 34 does not know the URL of the destination servers and cannot, therefore, redirect a request to them (see, Col. 8, lines 60-65). The redirection is performed by computer system 20 (see, Col. 4, lines 61-64).

For all of the foregoing reasons, Applicant submits that the Grantges combinations cited in the Office Action do not recite all of the limitations of claim 45 (as amended).

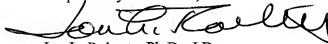
The deficiencies of the Grantges reference as described in the context of claim 45 (as amended) also apply to the rejections of independent claims 58 (as amended) and 64 (as amended) and the claims that depend therefrom. Hanhan is not cited as teaching the limitations not taught or reasonably described by Grantges. Applicant respectfully submits that independent claims 45, 58 and 64 as currently listed, as well as newly added independent claims 81 and 91, and the claims that depend therefrom are patentable over the cited prior art.

C. CONCLUSION

In view of the above information and remarks, Applicant respectfully requests reconsideration of the current rejections. Applicant respectfully submits that the application is in condition for allowance with claims 45, 46, 48-52, 55-59, 61-65, 68-69 and 81-102. If there remain any issues that may be disposed of via a telephonic interview, the Examiner is kindly invited to contact the undersigned at the number provided below.

The Director of the U.S. Patent & Trademark Office is authorized to charge any necessary fees, and conversely, deposit any credit balance, to Deposit Account No. 18-1579.

Respectfully Submitted,



Jon L. Roberts, Ph.D., J.D

Registration No. 31,293

Elliott D. Light, Esq.

Registration No. 51,948

ROBERTS MARDULA & WERTHEIM, LLC

11800 Sunrise Valley Drive, Suite 1000

Reston, VA 20191

703-391-2900